



# OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 04  
2088 SOUTH ARLINGTON RD. • AKRON, OH 44306 • 330-786-3100

## **Environmental Document**

for

## **TRU SR 0534 22.36/26.04 PID 118536**

**Environmental Document Level: C2**

**Approved: 3/11/2025**

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*The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by ODOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 14, 2020, and executed by FHWA and ODOT.*

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## C2

### Project Information

<b>PID:</b>	118536
<b>Project Sponsor:</b>	DISTRICT 4-PLANNING
<b>ODOT District:</b>	4
<b>Funding Source:</b>	Federal

### C2 Section

#### Project Description:

The Ohio Department of Transportation (ODOT) proposes to rehabilitate the existing bridges on State Route (SR) 534 over Andrews Creek between Clark Road and Parks West Road, and on SR 534 over Mill Creek just north of Sweet West Road in Mesopotamia Township, Trumbull County. The project also includes guardrail replacement, pavement replacement and traffic signage. The project is necessary to address current bridge deficiencies.

The TRU-534-22.36/Structure File Number (SFN) 7807694 structure is a single span, non-composite, prestressed concrete box beam bridge on reinforced concrete capped pile substructure built in 1997. It is 49 feet long and 40 feet wide. The TRU-534-26.04/SFN 7807813 structure is also a single span, non-composite, prestressed concrete box beam bridge on reinforced concrete capped pile substructure built in 1995. It is 55 feet long and 40 feet wide. Both structures carry a travel lane in each direction. The proposed work for both structures include removal of the wearing surface and replacement of the concrete box beams and portions of the wingwalls; new bearings and bridge railing; replacement of the existing bridge approach slabs, including new guardrail on both sides of the road; and replacement of the rock channel protection.

Mapping that depicts the project location on United States Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Mapping is included in Project File/General/Project Information as *USGS Quadrangle Topographical Map.pdf*.

During project construction, a full roadway closure of SR 534 will be needed at each location. These closures will not occur simultaneously, and a local traffic detour will also be established to maintain access for emergency and public services. During project construction, a minimum of one lane of traffic in each direction shall be maintained at all times, except for a period not to exceed forty-five (45) consecutive calendar days when SR 534 at each project site will be closed to traffic. The official detour route for the TRU-534-22.36 structure closure located between Clark Road and Parks West Road will utilize SR 88, SR 45 and SR 87. The official detour route for the TRU-534-26.04 structure closure located just north of Sweet West Road will utilize SR 87, SR 45 and U.S. Route 322 in Ashtabula County. Construction, lane restriction and roadway closure/detour information will be posted within the project construction limits, on all intersecting side roads and on the project webpage, prior to the start of project construction. Access shall be maintained to all adjacent properties, businesses and intersecting side streets for the duration of the construction project. Substantial traffic disruptions are not expected during project construction.

The project will not require any new permanent/temporary right-of-way acquisition.

Utility impacts are expected. Coordination with the utility companies in proximity to the proposed construction activities was conducted for the project during its preliminary engineering phase and will continue during its detailed design phase.



A Level 1 Ecological Survey Report was completed for the project. The project will eliminate approximately 0.005-acre of jurisdictional wetlands (Wetland A) at TRU-534-26.04. See the latest impact information for the project in the Permit Determination Request in the Project File/Permits/Waterways subsection and the Ecological Tab.

Active or sealed water wells are not located within the project areas. Well log data and documentation for the project can be found in the Project File/Other Resources/Drinking Water subsection.

The project is not located in an urbanized area. However, the project will be constructed within the existing roadway right-of-way. Therefore, the project meets the Farmland MOU Criteria and coordination of the Farmland Conversion Impact Rating (FCIR) Form is not required for the project. See the Census Bureau Urbanized Area Map in Project File/Other Resources/Farmlands subsection.

The project will not impact any other environmentally sensitive resources within the project study areas.

The environmental document and associated studies, as applicable, were approved using the Stage 3 Design Plans. A copy of the Stage 3 Plans for the project is included in the Project File/General/Project Information subsection as *Stage 3 Design.pdf*.

The estimated total project cost specified in Ellis is 49.7% greater than the total project cost specified in the ODOT State Fiscal Years 2024 - 2027 Statewide Transportation Improvement Program (STIP). Fiscal constraint is at the Statewide Line Item (SLI) Group level. An individual project utilizing a SLI does not require a STIP/TIP amendment.

The next phase of the proposed project is listed on the STIP:

Yes

Ellis STIP Details

Phase	Current STIP Reference
ENV	118536: 24-27 STIP
CO	118536: 24-27 STIP
DD	118536: 24-27 STIP

The current cost estimate is in line with existing federal procedures for Ohio STIP Amendments and Administration Modifications:

Yes

Select the appropriate project type:

(28) Bridge rehabilitation, reconstruction, or replacement or the construction of grade separation to replace existing at-grade railroad crossings, if the actions meet the constraints in 23 CFR 771.117(e). **Examples include: Railroad projects that close or relocate at-grade crossings**

In accordance with 23 CFR 771.117(e), the proposed project cannot be processed as a C2 CE, if it involves -

1. **a.** Acquisition of more than a minor amount of ROW (exceeds strip takes)
2. **b.** Residential or non-residential displacements
3. **c.** A U.S. Coast Guard permit or an Individual Section 404 permit under the Clean Water Act
4. **d.** A Section 106 finding of *Adverse Effect*
5. **e.** Section 4(f) impacts greater than de minimis
6. **f.** A finding of *May Affect, Likely to Adversely Affect* to Threatened and Endangered Species
7. **g.** Construction of temporary access, or the closure of existing road, bridge, or ramps, that would result in major traffic disruptions



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- 8. **h.** Changes in access control
- 9. **i.** Floodplain encroachment other than functionally dependent uses (e.g., bridges, wetlands) or actions that facilitate open space use (e.g., recreational trails, bicycle and pedestrian paths)
- 10. **j.** Construction activities in, across or adjacent to a river component designated or proposed for inclusion in the National System of Wild and Scenic Rivers
- 11. **k.** No minor public or agency controversy on environmental grounds (no opposition from any organized groups or agencies and no unresolved environmental coordination)
- 12. **l.** A full Environmental Justice Analysis Report (EJAR) is required (the project must be processed as a D-level CE or higher-level document). If a memo-to-file/letter/IOC-format EJAR Short Report is determined to be the appropriate level of documentation, contact OES regarding NEPA document level.

**For certification purposes, documentation is required to illustrate no significant impacts will occur to the following environmental resources and that no unusual circumstances exist that would warrant a higher level of NEPA document. Upload all supporting documentation to the project file.**

**Ecological**

<b>Waterways:</b>	Present; No Coast Guard, Individual 404, and/or Section 10 Permit required
<b>Waterways Permit Type:</b>	Regional General Permit
<b>Waterways Permit Approval Date</b>	02/21/2025
<b>Isolated Wetland Permit</b>	No
<b>Will any wetlands be impacted?</b>	Yes

**The identified Federally Listed Species for the project received an effect determination of No Effect.**

**Endangered Species Remarks:**

A total of 0.045 acre of suitable forested bat habitat was identified in the project areas. The TRU-534-26.04 project will not impact suitable wooded habitat (SWH) for the Federally listed Indiana bat, Northern Long-ear bat and Tricolored bat. The TRU-534-26.04 project will also not impact habitat for the state listed Little Brown bat. However, the TRU-534-22.36 project will impact approximately 0.004 acre of SWH for the Federally listed Indiana bat, Northern Long-eared bat and Tricolored bat species. The TRU-534-22.36 project will also impact 0.004 acre of habitat for the state listed Little Brown bat. A bridge inspection was performed on both bridges to assess the presence of roosting bats; no evidence of bats was observed. See the threatened/endangered species documentation for the project in the Project File/Ecological/Project Information and Reports subsections and the Ecological tab.

<b>Scenic Rivers</b>	No National Wild and Scenic River Within 1000 Feet of the Proposed Project Area
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**Scenic Rivers Remarks**

There are no national or state wild and scenic rivers within 1,000 feet of either project area.

**Floodplains**



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**100-Year Floodplain:**

No Encroachment Within a Special  
Flood Hazard Area (SFHA)

### **Floodplain Remarks**

ODOT District 4 Environmental Section personnel reviewed the FEMA FIRM mapping for the project study areas and found the proposed construction activities are not located within a designated Special Flood Hazard Area (SFHA) floodplain. See the floodplain mapping for the project in the Project File/Permits/Floodplains subsection.

### **Section 4(f)**

**Section 4(f):**

Not present

### **Section 4(f) Remarks**

A review of the Trumbull County Auditor's website and available mapping did not identify any recreational resources within the project study areas. Section 4(f) coordination is not required for the project.

### **Section 6(f)**

**Section 6(f):**

Not present

### **Cultural Resources**

**Cultural Resources:**

Present; No Finding of Adverse  
Effect

**Cultural Resources Coordination:**

Minimum Potential to Cause Effect  
Appendix A

**Cultural Resources Coordination - ODOT Approval/SHPO  
Concurrence Date**

01/10/2025

### **Cultural Resources Remarks**

A Cultural Resources Records Check was performed using the SHPO GIS online database to determine if previously recorded cultural resources are located within the projects' Area of Potential Effects (APE), the footprint of the project. No Cultural Resources listed on or determined eligible for listing on the National Register of Historic Places were identified within and/or immediately adjacent to the proposed project areas. Additionally, the existing bridges, SFN 7807694 and SFN 7807813, were built in 1997 and 1995 but are not considered eligible for the National Register based on the Ohio DOT Historic Bridge Inventory (accepted April 28, 2010). Therefore, in accordance with Stipulation V(C)(1) and Appendix A of the Section 106 Programmatic Agreement executed June 29, 2023, Cultural Resource PA (Agreement 38503), ODOT OES determined the project is a type of undertaking that has "minimal potential to cause effects" to historic properties and is not part of a larger undertaking. Further cultural resources coordination is not required for the project. See the cultural resources documentation for the project in the Project File/Cultural Resources/Project Information subsection and the Cultural Resources Tab.

### **Environmental Resources Considered**

**The following environmental resources are present and have been studied for potential impacts:**

Regulated Materials

Farmland



**Air Remarks**

Air quality studies or coordination are not required for this project. The project is an exempt project per 40 CFR 93.126 [Exempt projects, Air Quality: Widening narrow pavements or reconstructing bridges (no additional travel lanes)]. See the Air Quality documentation for the project in the Project File/Air/Project Information subsection.

**Noise Remarks**

The project does not qualify as a Type I project for noise (i.e., not adding capacity, not moving thru travel lanes equal to or greater than 50% closer to noise sensitive areas) and a noise analysis is not required for the project under 23 CFR 772.

**The project involves ROW acquisition, Deep Excavation, or OEPA 513 Landfill Authorization: No**

**Hazardous Materials - OES Approval Date: 12/20/2024**

**Regulated Materials Review Remarks:**

Based on the information in the Regulated Materials Review (RMR) Screening Form completed for the project, further RMR activities or special materials management are not warranted for the project. See the RMR documentation for the project in the Project File/RMR/Reports subsection.

**Farmland: Non-Urbanized Area; No Impacts in Accordance With the Farmland MOU, 7 CFR 658, and ORC 929.05**

**Environmental Justice**

Projects that meet C2 criteria must be in accordance with ODOT's EJ Guidance and activities conducted for Public Involvement are commensurate to the project's type and scope of work.

**Environmental Justice Populations Present; No EJAR Required, Does Not Exceed EJ Guidance Criteria, and No Issues Raised During Public Involvement**

**Identified Environmental Justice Populations**

Census Block Group #	% Minority	% Low Income
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**Environmental Justice Remarks**

As of January 21, 2025, EO 12898 was revoked. Therefore, no discussion and/or analysis specific to Environmental Justice Populations (Minority & Low-Income) will be provided in the Environmental Analysis. Instead, any potential impacts will be addressed through the Public Involvement Process.

**Public Involvement**

**Public Involvement: Minimum PI Requirements Met; No Minor Public or Agency Controversy on Environmental Grounds**

**Public Involvement Remarks**



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ODOT District 4 conducted various public involvement activities for the project including a press release, ODOT website posting, and notifications to property owners/business owners/stakeholders (public officials and emergency/public service providers). Additionally, to notify the Amish Community of the upcoming project, a project notification flyer was distributed to several businesses known to be frequented by Amish populations in the heart of the Amish Community in Mesopotamia Township. A news article about the project was also published by the Warren Tribune Chronicle. Comments were requested by all public involvement activities conducted for the project. Three comments were received during the public involvement activities regarding the project maintenance of traffic. All comments were responded to on an individual basis. See the public involvement documentation, including the received comments and responses to comments, for the project in the Project File/Public Involvement/Project Information subsection.

**Environmental Commitments**

**Environmental Commitments**

Yes



## Ecological

### Wetlands

ESR Name:	Wetland ID:	Hydrologic connection:	Wetland category:	Estimated total size (ac.):	Total estimated impact area by alternative (ac.):
TRU-534-26 .04	Wetland A	Adjacent	Category 2	0.03	0.012

Has an Approved and/or Preliminary Jurisdictional Determination been made by the USACE? No

Total impact to all wetlands (ac.): 0.012

Total acres of non-isolated wetlands impacted: 0.012

Total acres of isolated wetlands impacted: 0

In accordance with Executive Order 11990 - USDOT Order 5660.1A, this Wetland Finding has been prepared to document that wetlands have been avoided to the extent possible to minimize the long and short term adverse impacts associated with the destruction or modification of wetlands, and to document that there are no practicable alternatives to avoid construction in wetlands.

An analysis of the 'Do Nothing' alternative indicates that it is not practicable because (check all that apply):

It Would Not Correct Existing Condition and Maintenance Problems.

An analysis of improvements that avoid all wetland impacts indicates that they are not practicable because (check all that apply):

They Will Substantially Increase Project Costs.

They Will Not Meet the Identified Needs of the Project.

**Include justification supporting the decisions noted above:**

Due to the proximity of wetlands to the existing TRU-534-26.04 structure (SFN 7807813) over Andrews Creek avoidance would require unique construction, which would substantially increase project costs, or unique guardrail design. As design work continues, further reductions in wetland impacts will be assessed to the maximum extent possible.

All practicable measures have been considered and incorporated into the project design to avoid, minimize, wetland impacts. The wetland impact minimization measures that will be followed for the project are documented in the environmental commitments for the project. Wetland mitigation for unavoidable impacts will be provided if required by the Clean Water Act or Ohio isolated wetland law,



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as regulated by the US Army Corps of Engineers and Ohio EPA regulations (33 CFR parts 325 and 332 and 40 CFR part 230, and OAC 3745-01-54), and (ORC 6111.027). No practicable alternatives exist for the proposed construction in wetlands, and the proposed action includes all practicable measures to minimize harm to the wetlands that may result from such use.

**Remarks:**

The project was designed to minimize impacts to wetlands and streams to the greatest extent practicable.



## Environmental Commitments

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- 1) The project designer shall incorporate the following note into the plans: ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT/TRI-COLORED BAT: TRU-534-22.36: THE AFOREMENTIONED PROJECT SITE IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, NORTHERN LONG-EARED BAT AND TRI-COLORED BAT. NO TREES SHALL BE REMOVED AT THIS LOCATION FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.
- 2) The northern bridge closure located at TRU-534-26.04 just north of Sweet West Road will occur first beginning in late May 2027 and shall last approximately forty-five (45) days while the southern bridge closure located at TRU-534-22.36 between Clark Road and Parks West Road will occur beginning in mid-July 2027 and shall also last approximately forty-five (45) days.
- 3) The project designer shall incorporate the following note into the plans: STREAM AVOIDANCE - TRU-534-22.36 & TRU-534-26.04: NO FILL MATERIAL (INCLUDING ROCK, COFFERDAMS, ETC.) SHALL BE PLACED BELOW THE ORDINARY HIGH-WATER MARK (OHWM) OF MILL CREEK OR ANDREWS CREEK TO REPAIR THE ROCK CHANNEL PROTECTION AT THESE LOCATIONS. UNDER NO CIRCUMSTANCES SHALL ANY MECHANICAL EQUIPMENT (LIFT, SCAFFOLDING, BACKHOE, EARTH MOVING EQUIPMENT, ETC.) AND/OR MATERIALS ENTER MILL CREEK OR ANDREWS CREEK AT THESE LOCATIONS. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT ALL DEMOLITION DEBRIS, CONSTRUCTION MATERIALS, WASTE MATERIALS, WATER CHEMICALS OR OTHER SUBSTANCES USED TO CONSTRUCT THE PROJECT FROM ENTERING THESE STREAMS.



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### Preparers and Approvals

**Form Preparer:** Cassandra Austin  
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**Supporting Form Preparer(s):** Paul Frey  
Sean Carpenter

### Approvals & Electronic Signatures

<b>Approved &amp; Electronically Signed By:</b>	<b>Approval Date:</b>
Edward Deley (PROGRAM ADMIN 3)	3/11/2025



## Appendix

### General

Aerial Map.pdf

County Map.pdf

USGS Quadrangle Topographical Map.pdf

### Air

District Determination - No Air Analysis Required.pdf

### RMR

District Review - Screening.pdf

### Cultural Resources

Records Check.pdf

### Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

### Other Resources

Census Bureau Urbanized Area Map.pdf

Water Source Protection Area Map.pdf

Well Log Data.pdf

### Public Involvement

Flyer Distribution List.pdf

News Article - Warren Tribune Chronicle.pdf

ODOT Website Posting.pdf

Press Release.pdf

Project Notification Flyer.pdf

Public Comments Received - Bloomfield-Mespo Schools.pdf

Public Comments Received - River Valley Pine.pdf

Public Comments Received - The Perennial Post.pdf

Response to Public Comments - Bloomfield-Mespo Schools.pdf

Response to Public Comments - River Valley Pine.pdf

Response to Public Comments - The Perennial Post.pdf



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Stakeholder - Property Owner Notification Letter.pdf

Stakeholder - Property Owner Notification Mailing List.pdf

**Permits**

FEMA FIRM.pdf